

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

ATTENTION: APPLICATION BRANCH

Transmitted herewith for filing is the patent application of

Inventor(s): Mohamed K. Diab and Rex J. McCarthy

For: **IMPROVED SIGNAL PROCESSING APPARATUS AND METHOD**

Enclosed are:

- (X) Nineteen (19) sheets of drawings.
- (X) Recordation form cover sheet with two-page assignment.
- (X) Declaration by inventors.
- (X) Return prepaid postcard.

CLAIMS AS FILED

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Basic Fee			\$770	\$770
Total Claims	30 - 20 =	10 ×	\$22	\$220
Independent Claims	6 - 3 =	3 ×	\$80	\$240
If application contains any multiple dependent claims(s), then add			\$260	N/A
TOTAL FILING FEE				\$1,230

- (X) A check in the amount of \$1,230.00 to cover the filing fee is enclosed.
- (X) A check in the amount of \$40.00 to cover the assignment recording fee.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Account No. 11-1410. A duplicate copy of this sheet is enclosed.

Jerry T. Sewell
Jerry T. Sewell
Registration No. 31,567
Attorney of Record

INTELLECTUAL PROPERTY LAW
KNOBBE, MARTENS, OLSON & BEAR

A LIMITED LIABILITY PARTNERSHIP INCLUDING
PROFESSIONAL CORPORATIONS

PATENT, TRADEMARK AND COPYRIGHT CAUSES

620 NEWPORT CENTER DRIVE

SIXTEENTH FLOOR

NEWPORT BEACH, CALIFORNIA 92660-8016

(714) 760-0404

FAX (714) 760-9502

INTERNET: WWW.KMOB.COM

LOUIS J. KNOBBE*
DON W. MARTENS*
GORDON H. OLSON**
JAMES B. BEAR
DARRELL L. OLSON*
WILLIAM B. BUNKER
WILLIAM H. NIEMAN
LOWELL ANDERSON
ARTHUR S. ROSE†
JAMES F. LESNIAK
NED A. ISRAELSEN
DREW S. HAMILTON
JERRY T. SEWELL
JOHN B. SGANGA, JR.
EDWARD A. SCHLATTER
GERARD VON HOFFMANN
JOSEPH R. RE
CATHERINE J. HOLLAND
JOHN M. CARSON
KAREN J. VOGEL†
ANDREW H. SIMPSON
JEFFREY L. VAN HOOSEAR
DANIEL E. ALTMAN
ANITA M. KIRKPATRICK

ERNEST A. BEUTLER
MARGUERITE L. GUNN
STEPHEN C. JENSEN
VITO A. CANUSO III
WILLIAM H. SHREVE
LYNDA J. ZADRA-SYMES**
STEVEN J. NATAUPSKEY
PAUL A. STEWART
JOSEPH F. JENNINGS
CRAIG S. SUMMERS
ANNEMARIE KAISER
BRENTON R. BABCOCK†
MICHAEL H. TRENHOLM
DIANE M. REED
NANCY J. SCHOEENB
JONAS C. GILMORE
RICHARD C. KIN
WILLIAM S. AMUS
CHRISTINE A. BRIZMACHER
JOHN GIEZENTANNER
ALEX S. AKER
FRANK S. BERRETTA

THOMAS R. ARNO
DAVID N. WEISS
CHRISTOPHER A. GIL
DANIEL HART
JAMES T. HAGLER
DOUGLAS G. MUEHLHAUSER
LORI L. YAMATO
STEPHEN C. BEUERLE
MOSES MARES
STEPHEN M. LOBBIN
RICHARD KIM
ANN A. BYUN
GLENN R. SMITH
ROBERT F. GAZDZINSKI
FRED C. HERNANDEZ
STACEY R. HALPERN†
R. SCOTT WEIDE
MICHAEL K. FRIEDLAND
DALE C. HUNT
CHAD W. MILLER
JOHN C. WILSON
LEE W. HENDERSON
LENA A. BASILE

71471 U.S. PTO
08/834194
04/15/97
JAPANESE PATENT ATTYS
YASUO MURAMATSU***
KATSUHIRO ARAI
SCIENTISTS & ENGINEERS
(NON-LAWYERS)
RAIMOND J. SALENIEKS**
RENEE E. CANUSO**
MICHAEL L. FULLER**
NEIL S. BARTFELD**
MICHAEL J. GILLY
ROSANA S. JOHNSON
HALIT N. YAKUPOGLU
STANLEY W. HUTH
DANIEL E. JOHNSON**
JIAWEI HUANG

Assistant Commissioner for Patents
Washington, D.C. 20231

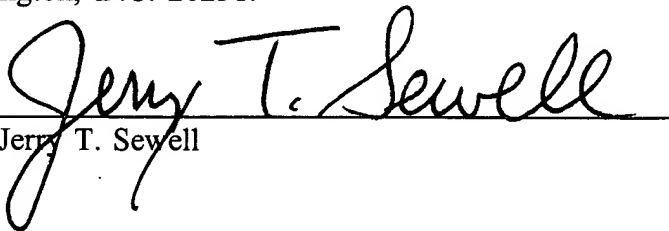
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : MASIMO.056A
Applicant(s) : Mohamed K. Diab and Rex J. McCarthy
For : IMPROVED SIGNAL PROCESSING
APPARATUS AND METHOD
Attorney : Jerry T. Sewell
"Express Mail"
Mailing Label No. : EM473793474US
Date of Deposit : April 14, 1997

I hereby certify that the accompanying

Transmittal in Duplicate; Specification in 43 pages; 19 sheets of drawings;
SIGNED Declaration by Inventors in 2 pages; Recordation Form Cover Sheet
and Assignment in 2 pages; Checks for Filing Fees; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


Jerry T. Sewell

LWH-1264:lcb
970414/1